

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN THE APPLICATION OF : Michael A. Centanni  
FOR : OZONE ENHANCED VAPORIZED HYDROGEN  
PEROXIDE DECONTAMINATION METHOD  
AND SYSTEM  
SERIAL NO. : 10/734,059  
FILED : December 10, 2003  
EXAMINER : Not yet known  
ART UNIT : Not yet known  
ATTORNEY DOCKET NO. : ST8613US

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This Information Disclosure Statement has been filed pursuant to the waiver issued by the U.S. Patent and Trademark Office on July 11, 2003, wherein the Office waived the requirement under 37 CFR 1.98(a)(2)(i) for submitting copies of each cited U.S. patent and each U.S. patent application publication, for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have *entered the national stage* under 35 USC § 371 after June 30, 2003.

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached form PTO-1449. The required copy of each document is enclosed *except for* documents previously cited by or submitted to the Office in a prior application(s) relied upon for an earlier filing date under 35 U.S.C. 120, said prior application(s) identified below:

**Serial No.**

**Filing Date**

2. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made.

3. Pursuant to 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement

shall not be construed as an admission that the information cited in this Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

4. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- ☐ Copy of each English language version of a search report by a foreign patent office in a counterpart foreign application, indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
  - ☐ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents."
  - ☐ English-language abstract.
- (X) 5. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed:
- ☐ concurrently with the filing of the national application; or
  - ☐ within 3 months of the filing date of a national application; or
  - (X) within 3 months of the date of the entry of the national stage as set forth in 37 CFR 1.491 in an international application; or
  - ☐ before the mailing date of a first Office Action on the merits.

{NOTE: Statements filed within the foregoing periods require neither a fee nor a Certification}

- ☐ 6. Pursuant to 37 C.F.R. 1.97(c) this Statement is being filed *after* the mailing date of a first Office Action on the merits but *before* the mailing date of either: a Final Office Action under 37 C.F.R. 1.113 or a Notice of Allowance under 37 C.F.R. 1.311, whichever occurs first. Accordingly, this Statement is accompanied by:
  - ☐ Certification as specified in 37 C.F.R. 1.97(e); OR
  - ☐ The submission fee set forth in 37 C.F.R. 1.17(p). Enclosed is Form PTO-2038 authorizing the amount of \$180 to be charged to our credit card to cover the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement.
- ☐ 7. Pursuant to 37 C.F.R. 1.97(d) this Statement is being filed *after* the period specified in 37 C.F.R. 1.97(c), but *before or concurrent with* payment of the Issue Fee. Accordingly, this Statement is accompanied by:
  - A. Certification as specified in 37 C.F.R. 1.97(e); AND
  - B. The submission fee set forth in 37 C.F.R. 1.17(p). Enclosed is Form PTO-2038

authorizing the amount of \$180 to be charged to our credit card to cover the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement.

- ☐ 8. Statement filed *after* payment of Issue Fee, but *before* patent grant:

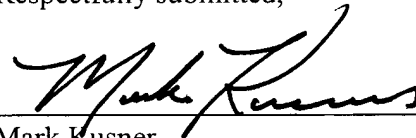
This Statement is being filed *after* payment of the Issue Fee, but *before* grant of the patent; accordingly it is understood that this Statement will *not* be considered. However, it is respectfully requested that this Information Disclosure Statement be placed in the application file. {NOTE: no fees or certification required}

- ☐ 9. CERTIFICATION under 37 C.F.R. 1.97 (e) (if applicable):

- ☐ The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Information Disclosure Statement, OR
- ☐ The undersigned hereby certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Information Disclosure Statement.

The Commissioner is hereby authorized to charge any additional fees required for consideration of this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 50-0537, identifying our Docket No. ST8613US.

Respectfully submitted,



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Date: March 4, 2004

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

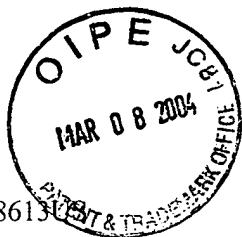
Date: March 4, 2004



Crystal Belknap

Form PTO-1449

Attorney Docket: ST8613



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**INFORMATION DISCLOSURE CITATION**

In re application of: Michael A. Centanni

Serial No: 10/734,059

Group No.: Not yet known

Filed: December 10, 2003

Examiner: Not yet known

For: OZONE ENHANCED VAPORIZED HYDROGEN PEROXIDE  
DECONTAMINATION METHOD AND SYSTEM

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

**U.S. Patent Documents**

<b>Examiner Initials</b>	<b>Document Number</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>
_____	3,549,528	12/22/1970	Armstrong	210-60
_____	3,872,313	03/18/1975	Emigh et al.	250/541
_____	4,643,876	02/17/1987	Jacobs et al.	422/23
_____	5,173,258	12/22/1992	Childers	422/27
_____	5,788,925	08/04/1998	Pai et al.	422/3
_____	5,868,999	02/09/1999	Karlson	422/30
_____	6,022,456	02/08/2000	Manning	204/176
_____	6,066,294	05/23/2000	Lin et al.	422/28
_____	6,096,266	08/01/2000	Duroselle	422/33
_____	6,156,267	12/05/2000	Pai et al.	422/3
_____	6,261,518	07/17/2001	Caputo et al.	422/22



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Carman et al.

422/33

**Other Prior Art (Inc. Author, Title, Date, Pertinent Pages, Etc.)****Examiner****Initials****Document**

Carus Chemical Company, "Material Safety Data Sheet: *CARULITE® 200 Low Temperature Oxidation Catalyst G*", [http://www.caruschem.com/pdf/Carulite Applications/msdsCL200GPDF.PDF](http://www.caruschem.com/pdf/Carulite%20Applications/msdsCL200GPDF.PDF), (last date accessed, March 3, 2004).

Kowalski et al., "*Demonstration of a Hermetic Airborne Ozone Disinfection System: Studies on E. coli*", American Industrial Hygiene Association Journal, March/April 2003, Vol. 64, pp. 222-227.

Inspired Living, "*How Does Ozone Purify Air? Effectiveness and Safety of Ozone*," <http://www.inspiredliving.com/airpurification/ozone.htm>, (last date accessed, November 2003).

Valdosta State University, "*Overview of Ozone Patents: Introduction*," <http://www.valdosta.edu/~tmanning/research/ozone/intro.html>, (last date accessed, October 27, 2003).

Gentile et al., "*Oxidative Tritium Decontamination System*," PPPL-3671, Princeton Plasma Physics Laboratory, Princeton University, Princeton, New Jersey, prepared for the U.S. Department of Energy, under Contract DE-AC02-76CH03073, February 2002.

Examiner:

Date Considered:

\*\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.